

disclosure of which is incorporated herein by reference. An emissive flat panel display operates on the principles of cathodoluminescent phosphors excited by cold cathode field emission electrons. A faceplate having a cathodoluminescent phosphor coating, similar to that of a cathode ray tube, receives patterned electron bombardment from an opposing baseplate thereby providing a light image which can be seen by a viewer. The faceplate is separated from the base plate by a narrow vacuum gap. Arrays of electron emission sites (emitters) are typically sharp cones on the cathode that produce electron emission in the presence of an intense electric field. A positive voltage is applied to an extraction grid, relative to the sharp emitters, to provide the intense electric field required for generating cold cathode electron emission. Prior art Figure 1 is a photocopy of Figure 1 of the above-referenced U.S. Patent No. 5,210,472. Figure 1 shows a perspective view of the baseplate of a field emission display. As shown, the baseplate includes a plurality of base electrode strips 12A-12C, and a plurality of grid electrode strips 11A-11C. A plurality of field emission cathodes, or emitters, 13 are disposed on the base electrode. The tip of each emitter is surrounded by a grid strip aperture 14. In operation, voltages applied to the base electrode and the grid electrode cause selected emitters to emit electrons that travel towards a faceplate.

On page 3, line 7, before the Detailed Description of an Illustrative Embodiment, please insert the following new paragraphs:

-- BRIEF DESCRIPTION OF FIGURES

Figure 1 shows a perspective view of the baseplate of a prior art field emission display;

Figure 2 shows a block diagram of a field emission display constructed according to the invention. --

On page 5, line 16, please insert the following new paragraph:

--Figure 2 shows a block diagram of a portion of a field emission display 100. Display 100 includes a baseplate 110 of the type shown in Figure 1 having conical emitters. Display 100 also includes a faceplate 120. Faceplate 120 includes a glass screen 122. As stated above, the screen 122 is normally coated with a transparent conducting film 124 such as ITO. Faceplate 120 also includes a layer 126 of phosphor and binder material. The binder material holds the phosphor particles together as well as to the faceplate. --

IN THE CLAIMS:

Please cancel claims 1-9 and 11-12 without prejudice.

Please also replace claims 10 (page 7, line 16) and 14 (page 8, line 12), as amended below, and add new claims 20-21 as follows:

10. A method for forming an improved field emission display device, comprising the steps of:

providing a screen; and

depositing phosphor material and a binder on said screen, said binder material holding said phosphor material to said screen, said binder material comprising a conductive material.